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SHOCK-ABSORBER UNITS FOR USE IN A VACUUM CHAMBER FOR
BRAKING RUNAWAY MOVING OBJECTS

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Abstract of the Disclosure

Shock-absorber units are disclosed that are especially suitable for use in a vacuum environment. Suitability is manifest by, in the event of damage to or malfunction of the shock-absorber units, their not degrading the vacuum level or contaminating the chamber in which the vacuum is established. An embodiment of a 10 shock-absorber unit is mounted to the inside surface of a wall of the chamber and includes a hydraulic or gas cylinder that is sealed from the chamber by a sheath (e.g., a bellows and/or sealing base). For example, the shock-absorber units are effective for braking the momentum of a runaway stage or other massive, moving object in the chamber.